

This paper describes GPSS II, a general purpose digital system simulator, and contains some examples illustrating its application.

The simulator is described in Part I.

In Part II, the simulator is used to determine appropriate system parameters in a design problem involving a telephone intercept system.

Part III considers urban traffic problems and shows the effectiveness of a general purpose simulator in reducing the programming effort associated with the simulation of complex systems.

Part IV suggests how models of an industrial enterprise suitable for evaluating alternative decision algorithms may be programmed.

A general purpose digital simulator and examples of its application

Part I — Description of the simulator
by R. Efron and G. Gordon

Part II — Simulation of a telephone intercept system
by C. R. Velasco

Part III — Simulation of urban traffic
by A. M. Blum

Part IV — Simulation of an integrated steel mill
by D. F. Boyd, H. S. Krasnow, and
A. C. R. Petit